ELSEVIER

Talanta 45 (1998) 1303–1306

Talanta

Author Index

Volume 45 (1998)

Abuo Ali, S.B., 865
Acree, W.E., Jr., 39
Adell, A., 777
Agrawal, Y.K., 397
Akaiwa, H., 549
Akinbo, O.T., 137
Alatorre Ordaz, A., 875
Aldhaheri, S.M., 203
Alexander, P.W., 155
Alwarthan, A.A., 1131
Aly, F.A., 1131
Amagai, T., 113
Amira, M.F., 189
Ang, H.G., 739
Ang, K.C., 663
Ang, S.G., 693
Antonelli, M.L., 1039
Argekar, A.P., 909
Arranz, A., 417
Arranz, J.F., 417
Asano, Y., 565, 575
Aster, B., 977
Atanasova, D., 857
Author, A., 227, 473
Avila Rodríguez, M., 875
Aw, T.C., 673

Baldini, E., 91
Baldwin, D.P., 229
Bănică, F.G., 1031
Bansal, R.K., 411
Bao, G.W., 727, 751
Barbosa, J., 817
Bari, V.R., 297
Barrón, D., 817
Barrón Zambrano, J.A., 875
Beltrán, J.L., 817, 1073
Bermejo, A., 325
Bermejo-Barrera, A., 807, 1147
Bermejo-Barrera, P., 807, 1147
Bermejo, P., 325, 1115
Bessière, J., 357
Bhajan Singh, H., 331
Blanco-González, E., 25
Blanco, S.E., 1103
Blanc, R., 105
Borge, G., 463
Braibanti, A., 1267
Burba, P., 977
Burguera, J.L., 531
Burguera, M., 531
Buti, S., 817

Cai, X., 273
Cameán, A.M., 379
Campanella, L., 1039
Cannata-Andía, J.B., 25
Carnahan, J.W., 137
Carpena, J., 969
Carrero, P., 531
Casero, I., 167
Castaño, R., 1007
Castillo, J.R., 1211
Celso Moreira, J., 317
Cesar Rocha, J., 317
Chalk, S.J., 591
Chan, H., 721
Chen, H.-Y., 851
Chen, J., 1081
Chen, Y.-H., 1123
Chen, Z.K., 727
Chew, C.H., 735, 767
Chiswell, B., 85
Chong, P.S., 693
Choong, M.L., 673
Chow, A., 257, 1235
Chuah, G.K., 739
Cirovic, D.A., 989
Compari, C., 1267
Cromer, M., 1177
Cross, J.H., 19
Cucca, L., 91
Curtius, A.J., 1167
Daniele, P.G., 425
Danielsson, B., 557
da Silva, M.P., 883
Delgado, R., 451
de Magalhães Padilha, P., 317
Desai, N.I., 1061
de Souza Teixeira, M.F., 249
Despas, C., 357
De Stefano, C., 425
Devi, S., 1089
Dhorda, U.J., 297
Dieckmann, C., 85
do Carmo Federici, C., 317
Domagala, S., 91
Dominguez, R., 325
Donard, O.F., 1023
Dondi, M., 1201
Doretti, L., 891
Doumenq, P., 1
Dressler, V.L., 1167
Du, B., 957
D'Ulivo, A., 801
Durán Merás, I., 899

Earley, R.L., 1255
Ecker, S.T., 1189
Eiceman, G.A., 57
El-Naggar, G.A., 189, 865
El-Shahawi, M.S., 203
El-Shazly, S.A., 189
Ercole, P., 1039
Esteves da Silva, J.C., 1155
Etxebarria, N., 1007

Fabbri, B., 1201
Fang, H.-Q., 851
Faraci, D., 801
Fatibello-Filho, O., 249
Fdez de Betoño, S., 417
Fell, N.F., Jr, 279
Fernandes, J.R., 273
Fernández, L.A., 1007

Ferrara, D., 891
Ferrer, R., 1073
Ferretti, F.H., 1103
Fetzer, J.C., 39
Figueira, M.C., 451
Filipović-Kovačević, Ž., 843
Fisicaro, E., 1267
Fleet, B., 703
Fung, Y.-S., 619, 641
Fushinuki, Y., 575

Gan, L.M., 735, 767
Gao, J., 303
Gascón, J.L., 181
Gattolin, P., 891
George, A., 285
Gesser, H.D., 257
Ghiozzi, A., 1267
Gohshi, Y., 1049
Gomes Neto, J.A., 1167
Gómez-Hens, A., 829
González, A.G., 379
Grant, D.H., 273
Guerrero, M.I., 379
Guiliano, M., 1
Guiteras, J., 1073
Gunasingham, H., 703
Gupta, N., 279
Gupta, S., 1111
Gupta, V.K., 343, 1097

Hachiya, H., 575
Hamilton, B., 85
Handa, S.K., 1111
Han, M.Y., 735
Han, S., 127
Han, S.H., 437
Harada, H., 543
Hattingh, C.J., 485
Hawley, N.T., 1189
Haygarth, P.M., 47
Hefter, G.T., 931
Hemmi, A., 575
Herce-Pagliai, C., 379
Hibbert, D.B., 155
Higuchi, K., 445
Hillard, S.W., 493, 507, 513
Horng, C.-J., 75
Huang, W., 735
Huang, X., 127
Hurtubise, R.J., 1081

Imato, T., 565, 575
Ion, A., 1031
Ishizuki, T., 349
Itabashi, H., 549
Ito, S., 575

Jabbari, A., 1247
Jacquot, F., 1
Jaenicke, S., 703, 739
Jain, V.K., 397
Jiang, Y.-Y., 787
Jiménez-Carmona, M.M., 883
Ji, W., 735
Johansson, G., 557

Kaihara, M., 1049
Kaminaga, C., 963
Kang, J., 303
Kang, T.-F., 291
Karayannis, M.I., 1015
Karlberg, B., 477
Katragadda, S., 257
Kawamoto, H., 549
Kawi, S., 759
Kelemen, J., 1281
Kesari, R., 1097
Khaw, M.C., 673
Khayyami, M., 557
Khor, E., 713
Kim, J.S., 437
Kiranas, E.R., 1015
Kiwan, A.M., 203
Koay, E.S., 673
Kobayashi, F., 575
Kong, X., 13
Korenaga, T., 445
Kuban, P., 477
Kubo, J., 963
Kubo, K., 963
Kumar, A., 387
Kumar Agnihotri, N., 331
Kumar Singh, V., 331

Lampugnani, L., 801
Lane, J.L., 19
Larsson, P.-O., 557
Lau, K.-M., 619, 641
Lee, C.H., 437
Lee, H.K., 613, 631, 657, 683
Li, G.-J., 759
Li, K., 119
Limero, T.F., 19
Li, N.-Q., 787
Lin, S.-R., 75
Li, S.F., 613, 657, 663, 683, 721, 727, 751, 767
Liu, D., 405
Liu, F., 119
Liu, J., 663, 767
Liu, R., 405
Liu, T., 13
Liu, W., 631
Liu, X., 543

Loh, W.L., 739
Lomber, J.P., 1189
Lopez Molinero, A., 1211
Lora, S., 891
Lu, H., 119
Luque de Castro, M.D., 371, 883

Machado, A.A., 1155
Madariaga, J.M., 463, 1007
Mahmoud, M.E., 309
Manchanda, V.K., 387
Manclús, J.J., 371
Mao, H.-Y., 1123
Markey, R., 935
Martinez, L., 1211
Martínez-Lozano, C., 969
Mathur, P.K., 433
Matsushita, H., 113
Matthews, G.P., 47
May, P.M., 931
McKelvie, I.D., 47
McMorn, P., 1001
Medina-Hernández, M.J., 835
Menéndez-Fraga, P., 25
Mille, G., 1
Miller, J.S., 1255
Mingazzini, C., 1201
Miyamae, Y., 519
Moalla, S.M., 213
Mohapatra, P.K., 387
Montoya, A., 371
Moreda, J.M., 417
Moreda-Piñeiro, A., 807, 1147
Moreda-Piñeiro, J., 807, 1147
Morgan, J., 935
Morlay, C., 1177
Mouginot, Y., 1177
Mou, S., 119
Mousavi, M.F., 1247
Munoz, D., 1
Muñoz de la Peña, A., 899
Muñoz Olivas, R., 1023
Murthy, A.S., 951

Nageswara Rao, G., 1267
Naidu, P.Y., 795, 1227
Nakahara, T., 917
Narusawa, Y., 519
Navalón, A., 105
Navarro Mendoza, R., 875
Naylor, S., 603
Ng, S.C., 735
Nifant'eva, T., 977
Nishino, H., 917
Niwa, H., 349
Nóbrega, J.A., 265
Nouroozi, S., 1247

O'Halloran, K., 85
Ohura, H., 565
Oleschuk, R.D., 1235
Oliveira, C.J., 1155
Osada, Y., 583
Ozsoz, M., 273

Paama, L., 35
Palrecha, M.M., 433
Panadero, S., 829
Pandey, S., 39
Parmeter, J.E., 57
Pathak, P.N., 387
Patonay, G., 285
Peat, D.M., 47
Peña Garcia, N., 557
Perämäki, P., 35
Pérez-Bendito, D., 167, 829
Pérez Pita, M.T., 557
Pérez Ruiz, T., 969
Pesavento, M., 91
Petrissans, J., 777
Pinto, A.Z., 249
Pinto, M.S., 1155
Pozebon, D., 1167
Prenesti, E., 425
Preston, D., 57
Puri, B.K., 411
Puri, S., 411

Quek, C.H., 735
Qu, F., 787
Quintino, S., 451

Rai, M.K., 343
Ramelow, G.J., 1139
Rao, S.G., 1227
Richter, P., 147
Rivas, C., 531
Riviello, J.M., 119
Rocha, F.R., 265
Rodríguez, C., 147
Rodriguez, M., 181
Rodriguez Cáceres, M.I., 899
Rodriguez, I., 683
Rodriguez, J., 57
Rönkkömäki, H., 35
Rubio, S., 167
Russeva, E., 857

Sabarathinam, R.M., 703
Sagrado, S., 835
Sait, S.S., 397
Sakai, A., 575
Sakai, T., 543
Sakurai, T., 963
Saleh, M.H., 203
Salinas López, F., 899
Sambasiva Rao, R., 1267
Sammartano, S., 425
Sanchez-Ramos, S., 835
Sanz-Medel, A., 25
Sarudi, I., 1281
Sastry, C.S., 795, 1227
Saucedo Medina, T.I., 875
Scherrer, P., 1
Schiavon, F., 891
Sethi, S.K., 673
Shah, R., 1089
Shamsipur, M., 1219
Sharma, J., 951
Sharma, K.K., 1111
Shen, G.-L., 291
Shetty, A.K., 909
Shinde, V.M., 925
Shkinev, V., 977
Shrivastav, P., 397
Sicilia, D., 167
Sipos, L., 843
Spivakov, B.Y., 977
Srinivas, K.R., 1227
Stefanova, V., 857
Stein, H., 935
Stewart, K.K., 493, 507, 513
Suárez, J.A., 181
Sugimoto, K., 543
Suh, M.Y., 437
Sultan, S.M., 1061
Sun, A., 405
Sundaresan, M., 297
Sun, J.-J., 851
Suzuki, M., 583
Suzuki, S., 917
Synovec, R.E., 1189

Taher, M.A., 411
Takahashi, Y., 113
Takahata, M., 549
Takeyoshi, K., 543
Tang, H., 291
Taniguchi, I., 575
Tan, S.C., 713
Tan, T.K., 713
Tavakkoli, N., 1219
Theodoro de Sousa Campos, J., 317
Thompson, A., 1001
Tiano, G., 57
Tomás, V., 969
Tomlinson, A.J., 603
Tong, S., 119
Toral, M.I., 147
Tran, C.D., 237
Troncoso, A.M., 379
Tsalev, D.L., 801
Tung, H.-S., 619
Turonek, M.L., 931
Tzouwara-Karayanni, S.M., 1015

Ura, N., 543

Vanisha Das, J., 343
van Staden, J.F., 485
Vartak, S.V., 925
Velasco-Arjona, A., 371
Veronese, F.M., 891
Vilchez, J.L., 105
Villareal, A., 1211
Vittori, O., 1177

Wada, H., 349
Wai, C.M., 1189
Walcarius, A., 357
Wall, J., 85
Wang, F., 19
Wang, H., 405
Wang, J., 273
Wang, P., 657
Wang, X., 127
Wan, H.B., 663
Wehr, T., 673
Wei, Q., 957
Welch, L.E., 1255
Wolff, G.A., 1001
Wong, S.M., 713
Worsfold, P.J., 47

Xia, X., 13
Xie, Z.-Y., 291
Xu, G., 127
Xu, G.Q., 735

Yamada, H., 349
Yamane, T., 583
Yamasaki, S., 565
Yang, J.-Z., 947
Yang, W., 303
Yang, X., 155
Yang, Y., 445
Yan, Y., 119
Yao, H., 1139
Yao, T., 917
Yasui, T., 349
Yebra, M.C., 1115
Ye, Y.-Z., 1123
Yin, Y., 127
Young, T.E., 1189
Yuchi, A., 349
Yu, R.-Q., 291

Zaghloul, A.A., 189, 865
Zamboni, R., 801
Zamzow, D.S., 229
Zhang, P.-C., 767
Zhang, S., 727
Zhang, W., 127
Zhang, X.J., 735
Zhang, X.-X., 445
Zhang, Y., 613
Zhang, Z.-F., 947
Zhao, G., 303, 721
Zhao, S., 13, 303
Zhou, D.-M., 851
Zhu, L., 113
Zhu, M., 673
Zou, B.S., 735
Zubiaur, J., 1007

ELSEVIER

Talanta 45 (1998) 1307–1316

Talanta

Subject Index

Volume 45 (1998)

Absorption spectra . . . 947
Absorptivity constant . . . 1103
Accelerated leaching . . . 883
Acetonitrile–water mixtures . . . 817
Acetylcholine esterase . . . 557
Acetylthiocholine . . . 557
Acid rain . . . 641
Acousto-optic tunable-filter . . . 279
Adsorptive . . . 433
Adsorptive preconcentration . . . 417
Adsorptive stripping voltammetry . . . 273
Affinity constant . . . 91
Aflatoxin B_1 . . . 91
Air particulate matters . . . 619
Al^{3+} . . . 1219
Algorithms . . . 1267
Alkali . . . 1219
Alkaline earth . . . 1219
Alkaline fusion . . . 935
Alkyltrimethylammonium surfactants . . . 167
Al-TBP . . . 35
Aluminium . . . 1147
Aluminoxamine . . . 25
Ammonia . . . 19
Ammonia determination . . . 405
Ammonia oxidation . . . 405
Amperometric . . . 557
Amperometric detection . . . 917
Amperometric determination . . . 851
Amylase activity . . . 565
Analysis . . . 19
Analyte . . . 493
Analyte transport . . . 137
Aniline . . . 851
Anion analysis . . . 641
Anionic surfactants . . . 543
Anions . . . 477
Anodic stripping voltammetry . . . 703
Anthropogenic fulvic acids . . . 1155
Antimony determination . . . 801
Antimony speciation . . . 127
Apolipoprotein E . . . 673

Aquatic humic substances . . . 977
Aqueous ammonia . . . 357
Aqueous solution . . . 425
Arsenic . . . 1167
Arsenic speciation . . . 531
Ascorbic acid . . . 851, 951
Astemizole . . . 795
ATM imaging . . . 767
Atomic absorption spectrometry . . . 75, 531
Atomic absorption spectrophotometry . . . 397
Atomic emission spectrometry . . . 137
Atomic emission spectroscopy . . . 229
Atomic force microscopy . . . 751
Automated analysis . . . 531
Automatic analysis . . . 113
Axial dispersion coefficient . . . 519

Benzene-1,3,5-tricarboxylic acid . . . 303
Benzoquinone . . . 951
Benzothiaxolylidiazoaminoazobenzene . . . 13
Biologically derived peptides . . . 603
Biosensor . . . 557
Biosensors . . . 891
Bismuth(III) . . . 249
Blackfoot disease . . . 75
Blood analysis . . . 703
Boron . . . 835
Bromopyrogallol red . . . 127
Butanol–octanol mixture . . . 387
ByT-FAS . . . 507

Capillary column . . . 631
Capillary electrophoresis . . . 477, 613, 619, 641, 673
Capillary electrophoresis separation . . . 683
Capillary zone electrophoresis . . . 657
Carbon paste electrodes . . . 1139
Catalysis . . . 851
Catalytic determination . . . 549
Catalytic differential kinetic spectrophotometry . . . 1123
Catalytic photometric detection . . . 583
Cation analysis . . . 619
C-18 bonded silica . . . 1167
Cellulose phosphate . . . 317
Ceramic glazes . . . 1201
Ceramic materials . . . 835
Cetylpyridinium chloride . . . 39
Chelating resin matrix . . . 397
Chelation ion chromatography . . . 119
Chemical analysis . . . 1201
Chemically modified electrode . . . 291
Chemiluminescence determination . . . 1131
Chemiluminescent whole *E. Coli* transcription assay . . . 513
Chip . . . 613
Chitosan . . . 713
Chlorate . . . 657
Chloride . . . 485
Chlorinated biphenyls (CBs) . . . 1001

Chlorpyrifos . . . 371
Chronopotentiometry . . . 273
Coated graphite-epoxy ion-selective electrode . . . 249
Complexation . . . 437, 1155, 1177
Complexes of trivalent metal ions . . . 451
Complex matrix . . . 119
Continuous precipitation-dissolution . . . 1115
Copolymerization . . . 767, 851
Copper . . . 147, 843
Copper (II) . . . 1177
Copper(II) . . . 397, 425, 1089
Crude oil . . . 1
Cryogenic trapping . . . 531
Cu(II) . . . 963, 1155
Cyclamate . . . 1115
Cyclic voltammetry . . . 951
β-Cyclodextrin . . . 303

Database . . . 591
Degree of deacetylation . . . 713
Derivative spectrophotometry . . . 411
Desferrioxamine . . . 25
Detection . . . 19, 1111
Detection cell . . . 493
Detection of organic vapors . . . 727
Determination . . . 19, 433
Diaza-18-crown-6-diisopropionic acid . . . 437
Dicarboxylate ligands . . . 865
Dicarboxylic acids . . . 189
Dicyclohexano 18 crown 6 . . . 387
Dielectric sensors . . . 357
Dietary sources . . . 1131
Diethyl dithiophosphate . . . 1167
Diffuse reflection method . . . 1049
1,5-Di-(2-fluorophenyl)-3-mercaptoformazan . . . 203
Digestive medicine . . . 565
3,4-Dihydroxybenzoic acid . . . 851
Dissociation constant . . . 947
Dissociation constants . . . 189
Dithiocarbamate fungicides . . . 1097
Diuretics . . . 817
Divalent cations . . . 683
DNA . . . 787
Dosage forms . . . 297

Electrochemical . . . 787
Electrodialysis . . . 485
Electrometric . . . 1267
Electrothermal atomic absorption spectrometry . . . 1147, 1167
ELISA . . . 91, 371
Elution peak profile . . . 777
EMF Method . . . 189
Environmental markers . . . 1
Enzyme kinetics . . . 507
Enzyme reactor . . . 917
Epi-fluorescence microscope . . . 613
Eriochrome black-T . . . 309

ETAAS . . . 807
Ethyl alcohol . . . 865
Ethylene . . . 19
Extractant . . . 909
Extraction . . . 925
Extraction chromatography . . . 181

FAAS . . . 325
Fe . . . 325
$[Fe(CN)_6]^{3-}$–$[Fe(CN)_6]^{4-}$ potential buffer . . . 565
Fe(III) . . . 1155
Ferrioxamine . . . 25
FIA . . . 445, 507, 1015, 1247
First derivative UV-spectrophotometry . . . 713
Fixed-time method . . . 1061
Flame atomic absorption spectrometry . . . 1115
Flat sheet membrane desolvator . . . 137
Flow analysis . . . 591
Flow injection . . . 1115, 1131
Flow-injection . . . 565
Flow injection . . . 47, 531
Flow injection analysis . . . 485, 549, 575, 1167
Flow injection cytometry . . . 513
Flow injection spectrophotometric determination . . . 835
Flow injection spectrophotometry . . . 265
Flow injection system . . . 583
Flow system . . . 155
Flow-through cell . . . 357
Fluorescence . . . 113
Fluorescence quenching . . . 39, 1155
Fluoresence . . . 303
Fluorometry . . . 899
Formation constant . . . 1103
Fractionation . . . 213, 977
Fruit . . . 371

Gallium metal . . . 433
Gas chromatography . . . 777
Gas diffusion . . . 477
Gasoline . . . 957
Gas sensor . . . 759
GC–MS . . . 1, 1001
Glass electrode . . . 931
Glassy carbon electrode . . . 273
Gluconic acid . . . 1007
Glucose oxidase . . . 891
Glycerol-3-phosphate oxidase . . . 1015
α-Glycerophosphate . . . 1015

Heavy metal analysis . . . 155
Heavy metals . . . 317
Herbicide . . . 417
HF complexation . . . 1201
High molecular weight poly(acrylic acids) . . . 1177
High performance nebulizer . . . 325
High-precision potentiometric titrations . . . 931
High-resolution spectroscopy . . . 229

Hot injection . . . 807
HPLC . . . 113, 631
Human scalp hair . . . 1147
Hydride generation . . . 531, 801
Hydrofluoric acid interference . . . 801
Hydrogen electrode . . . 931
Hydrogen sulfide . . . 85
Hydrophobic interaction chromatography . . . 693
Hydroxamic acid . . . 963
7-Hydroxymethylnalidixic acid . . . 899

ICP . . . 1281
ICP-AES . . . 35
ICP-AES analysis . . . 857
ICP/MS . . . 1023
ICP-OES . . . 1201
Immobilization . . . 309, 1015
Immunodetermination . . . 91
Indoor pollution . . . 113
Inductively coupled plasma atomic emission spectrometry . . . 1211
In-line reaction column . . . 445
Instrumentation . . . 507
Integrated retention–detection . . . 883
Iodine in alkaline medium . . . 1227
Ion-exchange . . . 721
Ion-exchange chromatography . . . 693
Ion exchange equilibrium constants . . . 463
Ionic strength . . . 463
Ionisation . . . 357
Ion mobility spectrometry (IMS) . . . 19
Ionophore . . . 155
Ion-pair . . . 865
Ion selective electrode . . . 155
IR . . . 1049
Iridium . . . 411
Iron . . . 147, 883
Iron(III) oxidant . . . 1061
Isoforms . . . 693
Isosbestic point . . . 947

Kalman filter . . . 1123
Kinetic method . . . 829
Kinetics . . . 1061

Langmuir plot . . . 1039
Lanthanide . . . 119
Lanthanides . . . 437
Lanthanide-sensitized luminescence . . . 829
Latex particles . . . 767
LB films . . . 727
L-cysteine and boric acid effect . . . 801
Lead . . . 703, 909
Lead–acid batteries . . . 265
Lead(II) . . . 397
Lead(II) detection . . . 203
Leuco crystal violet . . . 1097
L-Glutamate . . . 917

Lichens 1039, 1139
Ligands 147
Limit of quantitation 297
Linear dynamic range 297
Linear solvation energy relationship 817
Liquid–liquid 875
Liquid membrane 963
L-tyrosine 947
Luminescence analysis 1081
Luminol 1131

Malachite Green 543
Manganese 1147
MCM-41 759
Mechanism 1061
Mediator 557
Membrane electrode 155
Mercury film electrode 703
Mercury(II) 203
Mesoporous SnO_2 759
Metal determination 379
Metal distribution 977
Metal ions 349
Metallothioneins 693
Metal tetraaminophthalocyanine 291
Metal uptake 1039
Methods 795
Methods of calculation 463
Micellar liquid chromatography 25
Micellar medium 331
Microcalorimetry 1039
Microcrystalline naphthalene 411
Microdialysis probe 917
Microelectrode 851
Microemulsion 957
Microextraction 1081
Microwave-assisted sample preparation 1201
Microwave heating 531
Microwave mineralisation 35
Microwave reduction 1023
Milk components 325
Mixed-metal complex 1219
Mixed micellar media 127
Mixed micelle-based methodology 167
Mixed solvent 543
$[Mo(CO)_6]$ 739
Molecular size classification 977
Molybdenite 935
mPC–CE–MS/MS 603
Multi-level mixture design 989
Multiple injection 807
Multivariate calibration 1073
Multivariate regression 989

NADH 951
Nafion 721
Nalidixic acid 899

n-alkanes . . . 1001
Nanoparticles . . . 735
1-Naphthalenacetamide (NAD) . . . 105
1-Naphthylacetic acid (NAA) . . . 105
N-chlorosuccinimide . . . 1097
Negative thermal ion mass spectrometry . . . 935
New phase separator . . . 543
Nickel . . . 13, 807
Nickel (II) . . . 1177
Nickel(II) . . . 1089
Nickel naphthenate . . . 957
NiTMpyP . . . 787
Nitralin . . . 417
Nitrate . . . 265, 657
Nitrile . . . 1111
Nitrite determination . . . 1247

On-line sample pretreatment . . . 119
Optical nonlinearities . . . 735
Organic anion analysis . . . 641
Organic energetic materials . . . 279
Ozone . . . 843

PAHs . . . 1073
Palladium . . . 1235
p-Aminobenzoic acid . . . 829
Parameters . . . 1267
Paraquat . . . 343
Partial least squares . . . 899
Passive neutral membranes . . . 485
Passive sampler . . . 445
Pattern recognition . . . 379
Pb(II) ion-selective electrode detector . . . 575
Peak height . . . 331
Peat moss . . . 1139
PEG-modified glucose oxidase . . . 891
Peroxidase . . . 1015
Pesticides . . . 631
PETN . . . 57
Pharmaceutical samples . . . 829
1:10-phenanthroline-iron(II) complex . . . 1061
p[H]-metry . . . 1219
Phosphorus speciation . . . 47
Photo-oxidation . . . 47
pH-Potentiometric methods . . . 451
pH response . . . 291
Physical steady state . . . 493
Phytohormone analysis . . . 105
Pindolol . . . 969
Pitzer's equation . . . 947
p*K* values . . . 817
Plackett–Burman mixture design . . . 989
Platinum . . . 1235
PLS . . . 989, 1073
Polyaminopolycarboxymethylated ligands . . . 451
Polycyclic aromatic hydrocarbons . . . 39, 113
Poly(ethylene oxide) . . . 767

Polyurethane foam . . . 203
Portunus pelagicus . . . 693
Potentiometry . . . 249, 291, 463, 1007, 1177
Preconcentration . . . 137, 317, 397, 857
Preferential solvation . . . 817
Premicellar aggregates . . . 167
Propranolol . . . 969
p-sulfonated calix[*n*]arenes . . . 683
PVA cryogel . . . 891
Pyridoxine·HCl . . . 1131
1-(2-pyridylazo)-2-naphthol . . . 331, 411

Quartz crystal microbalance sensor . . . 721, 727
Quinolylazo compounds . . . 349

Radioactive waste and liquid scintillation counting . . . 181
Raman spectra . . . 279
RDX . . . 57
Redox method . . . 451
Refractive index . . . 265
Residual chlorine . . . 575
Restriction fragment length polymorphisms . . . 673
Reversed flow injection analysis . . . 405
Reversed-phase high-performance liquid chromotography . . . 349
Reversed phase liquid chromatography . . . 25
Reverse phase liquid chromatography . . . 1189
River water and seawater . . . 583
Robot . . . 371
RVC-electrode . . . 557

Safranine . . . 1247
Sample digestion . . . 843
Sample introduction . . . 137
s-bonded dithizone . . . 1089
Scattering dilution method . . . 1049
Scattering filter method . . . 1049
Schlieren effect . . . 265
Sea water . . . 807
Sediment . . . 213
Sediment analysis . . . 801
Selective extraction . . . 1235
Selective quenching agents . . . 39
Selenium speciation . . . 1023
Sensitivity AFM . . . 727
Sensors . . . 951
Separation . . . 925, 1089
Sephadex gel . . . 583
Sequence analysis . . . 603
Sequential injection analysis . . . 1061
Sequential-stage ultrafiltration . . . 977
Short capillary . . . 613
Silica–ERT . . . 309
Silica gel . . . 357
Silicalite . . . 1001
Silicon determination . . . 1211
Silver(I) . . . 549
Simultaneous determination . . . 1123

Single-line manifold flow injection analysis . . . 519
Slurry sampling . . . 1147
Sodium borohydride . . . 343
Sodium diethyldithiocarbamate . . . 857
Sodium perchlorate . . . 931
Soft drinks . . . 1115
Soil . . . 371, 883
Soil analysis . . . 105
Soil leachate . . . 47
Solid adsorption thermal machines . . . 777
Solid-Phase . . . 1081
Solid-phase extraction . . . 631
Solid-phase spectrofluorimetry . . . 105
Solvent effect on . . . 189
Solvent extraction . . . 437, 543, 549
Spectrometer . . . 229
α-spectrometry . . . 181
Spectrophotometric . . . 795, 1097
Spectrophotometry . . . 13, 127, 147, 343, 405, 425, 909, 957, 1227, 1247
Spray reagent . . . 1111
Sr(II) . . . 387
Stability constants . . . 1155
Stability constants determination . . . 451
Stöber silica . . . 357
Stopped-flow technique . . . 829
Stripping . . . 433
Stripping voltammetry . . . 417
Styrene . . . 767
Subcritical water extraction . . . 1189
Substrate recycling . . . 917
Sulfur . . . 85
Sulphur . . . 1281
Sulphur dioxide . . . 1281
Sulphur dioxide in air . . . 445
Sulphuric acid . . . 875
Superporous agarose gel . . . 557
Surface acidity . . . 739
Surface reactions . . . 739
Surfactant . . . 331
Surfactant template . . . 759
Sweeteners . . . 1115
Synchronous fluorescence spectrometry . . . 969
Synchronous spectrofluorimetry . . . 1073
Synthetic pyrethroids . . . 1111
Synthetic samples . . . 411

Tablet formulation . . . 1131
Tamoxifen . . . 273
Tap water . . . 575
TBPA . . . 35
Temperature programmed decomposition . . . 739
Tetracarboxylate-18-crown-6 . . . 1219
Thermal analysis . . . 35
Thermodynamic . . . 875
Thermodynamic model . . . 1007
Thermodynamic parameters . . . 189
Thin-layer plates . . . 1111

Thiocholine . . . 557
Tip shapes . . . 751
TNT . . . 57
TPASO . . . 925
Trace analysis . . . 619, 641
Trace elements . . . 75, 213
Trace vanadium . . . 583
Transport . . . 963
3,5,6-Trichloro-2-pyridinol . . . 371
Trough depth . . . 331

UO_2^{2+} . . . 1155
Uremic serum . . . 25
Urine analysis . . . 75
UV spectrometric method . . . 1103

Vapor generator . . . 57
Vitamin C . . . 1061
Volatile silicon tetrafluoride . . . 1211
Voltammetry . . . 433, 843

Wall-jet cell . . . 703
Water . . . 857
Water analysis . . . 317, 657
Water mobile phase . . . 1189
Weathering . . . 1
Wine vinegars . . . 379
Wool fast blue BL . . . 1227
World Wide Web . . . 591

Zeeman correction . . . 807
Zinc(II) . . . 397, 1089
Zirconia . . . 85
Zn . . . 325
ZnO thin films . . . 751
Zone-circulating flow injection analysis . . . 519
Z-scan technique . . . 735